



[Introduction](#)
[Work Groups](#)
[MI Conference](#)
[CDR Conference](#)
[Integration](#)
[Launch](#)
[Outreach](#)
[Media](#)
[Members](#)
[Links](#)
[Contact](#)
[Home](#)

Experiments Team

The Experiments group is responsible for designing and building the experiments that will be housed in the rocket's payload. The rocket will contain five experiments: a trimethyl aluminum (TMA) chemical release, an inflatable sphere with a GPS receiver, a set of DC probes, an IEC receiver and a Chaff experiment. The Student's at the Pennsylvania State University will be designing and building the inflatable sphere, the IEC receivers and the DC probes, while Clemson students will be building the TMA and Chaff experiments.

These experiments have been explicitly chosen by faculty researchers at the Pennsylvania State University and Clemson University to take wind measurements. Of the four sets of experiments, there are two pairs of similar measurements that will be taken to ensure the integrity of the results. The experiments team provides the SPIRIT II group with students who will understand the theory behind each experiment. Each sub-group is responsible for designing and fabricating electronic circuitry involved in the experiments and designing and building external features of each experiment as needed.



[DC Probes](#)

[IEC
Receivers](#)

[Inflatable
Sphere](#)

[TMA
Chemical
Release](#)

[Chaff
Experiment](#)